

Burleson ISD- Multidisciplinary Endorsement Pathways

Multidisciplinary Studies. A student may earn a multidisciplinary endorsement by completing the foundation and general endorsement requirements and:

- A. Four “advanced” CTE courses* that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or
- B. **Four credits in each of the four foundation subject areas to include English IV, Chemistry and/or Physics****; or
- C. Four credits in Advanced Placement or dual credit selected from English, Mathematics, Science, Social Studies, Economics, languages other than English, or Fine Arts

*advanced” CTE courses are defined by BISD as those designated as the third or higher credit in a coherent sequence of courses; all prerequisite course requirements must be met prior to enrolling in an “advanced” CTE course.

** This is the recommended approach for this endorsement.

Burleson ISD- Arts and Humanities Endorsement Pathways

Social Studies- a total of five social studies credits

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
World Geography OR PreAP World History OR AP Human Geography	World History OR AP World History	US History OR AP US History OR DC US History	US Government OR AP US Govt. OR DC US Govt. AND Economics OR AP Macroeconomics OR DC Economics	Sociology (.5) Psychology (.5) AP European History AP Psychology (.5) AP Comparative Government	Climatologist, Cartographer, Urban Planner, Community Developer, Travel Agent, Politician, Policy Maker, Information Manager, GIS Specialist, Writer, Journalist, Researcher, Archivist, Teacher, Professor

Languages other than English- four levels of the same Foreign Language in a language other than English

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
German I OR Spanish I	German II OR Spanish II	PreAP German III OR PreAP Spanish III	AP German IV OR AP Spanish IV	AP Spanish V (optional)	Teacher, translator, interpreter, diplomat, linguist, international business, international law, archaeology, homeland security, foreign service, tourism, travel, legal interpreting, health care interpreting, military liaison, international banking, FBI, CIA, emergency response

Languages other than English- two levels of the same language in a language other than English and two levels of a different language in a language other than English

American Sign Language- four levels of American Sign Language

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
ASL I	ASL II	ASL III	ASL IV		Interpreter, ASL teacher, Deaf Education teacher, business translator, vocational rehab, relay services, travel and tourism, mental health

Fine Arts- a coherent sequence of four credits by selecting courses from one or two categories or disciplines in Fine Arts

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
Art I	Art II	Art III	Art IV OR AP Studio Art		
Band I	Band II	Band III	Band IV		Music Educator, Professional Musician, Music Producer, Instrumental Retail, Music Therapist, Conductor, Music Librarian, Arts Management, Composer, Arranger, Educator, Performer
Choir I	Choir II	Choir III	Choir IV		Music Educator, Professional Musician, Music Producer, Instrumental Retail, Music Therapist, Conductor, Music Librarian, Arts Management, Composer, Arranger, Educator, Performer

Dance I	Dance II	Dance III	Dance IV		Dancer, Choreography, Musical Theater, Dance Education
Theatre Arts I	Theatre Arts II OR Technical Theatre I	Theatre Arts III OR Technical Theatre II	Theatre Arts IV OR Technical Theatre III		Actor, Director, Playwright, Critic, Educator, Set Designer, Costume Designer, Stage Hand, Grip, Theatre Management, Educator

Burleson ISD- Business and Industry Endorsement Pathways

A student may earn a Business & Industry endorsement by completing 26 credits, the requirements specified in subsection €[requirements in foundation plan plus a fourth credit in mathematics and a fourth credit in science], and

- A. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes a course that is the third or higher course in a sequence. The final course in the sequence must be obtained from one of the CTE career clusters in Chapter 130.

Agriculture- Animal Industry

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Agriculture, Food and Natural Resources	Livestock Production	Small Animal Management (.5) AND Equine Science (.5)	Veterinary Medical Applications AND Advanced Animal Science*	Professional Communications (.5)	Veterinary Assistant	Agriculture Product Sales, Livestock Sales, Research Assistant, Animal Facilities Manager, Veterinarian, Vet Assistant

*Fulfills 3rd or 4th required science credit

Agriculture- Agriculture Mechanics

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Agriculture, Food and Natural Resources	Agriculture Mechanics & Metal Technologies	Agricultural Structures Design and Fabrication	Practicum in Agriculture, Food and Natural Resources	Professional Communications (.5)	OSHA General Industry	Petroleum Technicians, Environmental Engineering Technicians, Mining Machine Operators

Agriculture- Natural Resource Management

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Agriculture, Food and Natural Resources	Wildlife, Fisheries and Ecology Management	Range Ecology and Management	Advanced Plant & Soil Science* OR Practicum in Agriculture, Food and Natural Resources	Professional Communications (.5)	Texas Hunter Safety	Agricultural Inspector, Agricultural Science Teacher, Animal Breeders, Animal Scientist, Fish and Game Warden

* Fulfills 3rd or 4th required science credit

Arts, A/V Technology, and Communication

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Arts, A/V Technology & Communications	Audio/Video Production I OR Graphic Design I	Audio/Video Production II OR Graphic Design II	Practicum in Audio/Video Production OR Practicum in Graphic Design	Professional Communications (.5)	Adobe Certified Associate	Camera Operator, Graphic Designer, Multimedia Artist, Desktop Publisher, Advertising, Art Director, Promotion or Marketing Manager, Web Developer, A/V Events Coordinator, Program Director, Broadcast News, Film Director, Film Editor

Business Management & Administration

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Business, Marketing & Finance	Business Information Management I AND/OR Business Law	Business Information Management II	Practicum in Business Management	Professional Communications (.5)	Microsoft Office Specialist	Human Resources Specialist, Facilities Manager, Customer Service Representative, Management Analyst, Office Manager, Public Administrator, Market Risk Manager, Personnel Recruiter, Company Executive, Entrepreneur

Hospitality and Tourism

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Hospitality and Tourism	Introduction to Culinary Arts OR Food Science	Culinary Arts	Advanced Culinary Arts	Professional Communications (.5)	Texas Food Handlers Certificate ServSafe	Chef, Cook, Food Service Manager, Restaurant Manager

Information Technology

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Information Technology	Computer Maintenance OR Networking	Web Technologies	Practicum in Information Technology	Professional Communications (.5)	Microsoft Technology Associate CISCO Networking	Computer & Information System Manager, Computer Network Architect, Computer Programmer, Computer Security Specialist, Software Developer, Computer Support Specialist, Network & Data Communications Analyst

Transportation, Distribution & Logistics

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Transportation Systems	Energy and Power of Transportation Systems	Automotive Technology I	Automotive Technology II OR Practicum in Transportation Systems	Professional Communications (.5)	Valvoline Oil Change Certificate ASE Certification	Automotive Engine Repair specialist, Auto Service Technician

Burleson ISD- Public Services Endorsement Pathways

A student may earn a Public Services endorsement by completing the requirements specified in subsection (e) [requirements in foundation plan plus a fourth credit in mathematics and a fourth credit in science], and

- A. A coherent sequence for **four or more** credits in CTE that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher course in a sequence. The final course in the sequence must be from the CTE career cluster listed below.

Education and Training

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
Principles of Education and Training	Human Growth & Development OR Child Development	Instructional Practices OR Counseling & Mental Health	Practicum in Education and Training	Professional Communications (.5)	Elementary or Secondary Teacher; Special Education Teacher

Health Science

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Health Science	Medical Terminology	Health Science Theory	Practicum in Health Science	Anatomy & Physiology*	Certified Medical Assistant Emergency Medical Technician	Health Services Marketing, Health Management, Medical Assistant, Physician, Nurse, Occupational Therapist

*Can be taken concurrently with Health Science Theory or Practicum and fulfills 3rd or 4th Science credit

Human Services

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Human Services	Dollars & Sense (.5) AND Professional Communications (.5)	Introduction to Cosmetology AND Cosmetology I	Practicum in Human Services AND Extended Practicum in Human Services		Cosmetology Operator License	Cosmetologist, Salon Owner
Principles of Human Services	Dollars & Sense AND Lifetime Nutrition & Wellness	Human Growth & Development OR Child Development	Counseling & Mental Health	Professional Communications (.5)		

Law, Public Safety, Corrections and Security

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	Law Enforcement II	Court Systems and Practices OR Correctional Services	Forensic Science*	County Jailer Certification	Lawyer, Corrections Officer, Police & Sherriff's Patrol Officer, Legal Assistant
Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	Dual Credit Firefighter I	Dual Credit Firefighter II	Forensic Science*	Structural Firefighter Certification Emergency Medical Technician	Firefighter, EMT, Paramedic

*Can be taken concurrently with 3rd or 4th credit and fulfills 3rd or 4th science credit.

Burleson ISD- STEM Endorsement Pathways

A student may earn a STEM endorsement by completing 26 credits, the requirements specified in subsection (e) [requirements in foundation plan plus a fourth credit in mathematics and a fourth credit in science], **including Algebra II, chemistry and physics** and:

Engineering

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Certifications	Possible Careers
PLTW: Introduction to Engineering	PLTW: Principles of Engineering	PLTW: Computer Integrated Manufacturing	PLTW: Engineering Design and Development	Engineering Mathematics*	Autodesk Inventor Certified User	Engineer: Civil, Mechanical, Electrical, Software, Biomedical, Aerospace, Chemical, Geological, Industrial, Manufacturing, Marine & Ocean; Mechanical Designer/Drafter

*Optional Credit that may be taken concurrently with Engineering Design & Development

Math- five credits in math by successfully completing Algebra I, geometry, Algebra II and two additional mathematics courses for which Algebra II is a prerequisite

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
Algebra I OR PAP Algebra I	PAP Geometry	PAP Algebra II	PAP PreCalculus	AP Calculus AB OR AP Calculus BC	Architect, Astronomer, Geologist, Math Teacher, Meteorologist, Economist, Physician, Pilot and Flight Engineers, Actuary, Mathematician
Algebra I OR PAP Algebra I	PAP Geometry	PAP Algebra II	PAP PreCalculus	AP Statistics	Biologist, Certified Public Accountant, Lawyer, Psychologist, Sociologist, Surveyor Pilot and Flight Engineer, Statistician

Science- five credits in science by successfully completing biology, chemistry, physics, and two additional science courses

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Possible Careers
Biology OR PAP Biology	Chemistry OR PAP Chemistry	Physics OR AP Physics I OR AP Chemistry OR AP Biology	AP Biology OR AP Chemistry OR AP Environmental Systems OR AP Physics I OR AP Physics II OR other Advanced Science Course	Other Advanced Science Course	Biologist, Geologist, Forester, Psychologist, Sociologist, Surveyor, Environmentalist, Biomedical Engineer, Molecular Biologist, Biotechnology, Microbiologist, Ecologist, Immunologist, Ell Biologist, Cancer research, Environmental Scientist, College Professor, Physician, Physicist, Registered Nurse, Veterinarian, Forensic Scientist, Chemist, Oncologist, Researcher, Pharmacist